

Detailed Data Tables: Injection Drug Users

Table 1. People living with HIV/AIDS on December 31, 2007 by exposure mode: Massachusetts		
Exposure Mode:	N	%
Male-to-male sex (MSM)	5,773	34%
Injection Drug Use (IDU)	4,278	25%
MSM/IDU	539	3%
Receipt of Blood/Blood products	104	1%
Pediatric	301	2%
• Pediatric IDU-related ¹	49	<1%
• Pediatric Non IDU-related and unknown risk	252	2%
Total Heterosexual Sex (HTSX)	2,281	13%
• HTSX w/ an Injection Drug User	939	6%
• HTSX w/ Bisexual male	39	<1%
• HTSX w/ Blood/Blood products ²	27	<1%
• HTSX w/ a person w/ HIV or AIDS	1,276	8%
Total Undetermined/Other	3,701	22%
• Presumed Heterosexual Sex ³	2,643	16%
• Undetermined/Other ⁴	1,058	6%
TOTAL	16,977	100%
¹ Includes children born to mothers with a primary reported risk of injection drug use or heterosexual sex with an injection drug user ² Heterosexual sex with a person who received blood/blood products ³ Heterosexual sex with a partner of unknown HIV status or risk ⁴ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and confirmed occupational exposure Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08		

Note: The category of “presumed heterosexual sex” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known to have not reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual sex” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 2. People diagnosed with HIV infection by exposure mode: 2004–2006¹, Massachusetts

Exposure Mode:	HIV Diagnoses	
	N	%
Male-to-male sex (MSM)	940	37%
Injection Drug Use (IDU)	353	14%
MSM/IDU	49	2%
Receipt of Blood/Blood products	1	<1%
Pediatric	17	1%
Total Heterosexual Sex (HTSX)	278	11%
• HTSX w/ an injection drug user	86	3%
• HTSX w/bisexual male	2	<1%
• HTSX w/ person who received blood/blood products	2	<1%
• HTSX w/ a person w/ HIV or AIDS	188	7%
Total Undetermined/Other	933	36%
• Presumed Heterosexual Sex ²	599	23%
• Undetermined/Other ³	334	13%
TOTAL	2,571	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 3. Percentage distribution of people living with HIV/AIDS on December 31, 2007 by Health Service Region (HSR)¹ and exposure mode: Massachusetts

HSR	MSM ²	IDU ³	MSM/ IDU ⁴	HTSX ⁵	Other ⁶	Pres. HTSX ⁷	Unde- ter- mined ⁸	Total
Boston HSR	46%	17%	3%	11%	2%	15%	6%	5,445
Central HSR	21%	34%	3%	17%	4%	17%	4%	1,519
Metro West HSR	38%	15%	3%	12%	3%	20%	9%	2,184
Northeast HSR	30%	22%	3%	15%	2%	19%	8%	2,463
Southeast HSR	37%	26%	3%	15%	2%	11%	6%	2,351
Western HSR	22%	33%	3%	19%	3%	15%	6%	2,030
Prison ⁹	6%	72%	5%	6%	<1%	9%	3%	974
MA Total	34%	25%	3%	13%	2%	16%	6%	16,977

¹ Reflects the Health Service Region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of Health Service Regions

² MSM = Male-to-Male Sex

³ IDU = Injection Drug Use

⁴ MSM/IDU = Male-to-Male Sex and Injection Drug Use

⁵ HTSX = Heterosexual Sex

⁶ Other includes pediatric and receipt of blood/blood products

⁷ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status

⁸ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

⁹ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/08

Table 4. Percent of people diagnosed with HIV infection by Health Service Region (HSR)¹ and exposure mode: Massachusetts, 2004–2006²

Health Service Region:	MSM ³	IDU ⁴	MSM/ IDU ⁵	HTSX ⁶	Other ⁷	Pres. HTSX ⁸	Unde- ter- mined ⁹	Total
Boston HSR	50%	8%	2%	7%	1%	20%	12%	805
Central HSR	23%	22%	1%	15%	1%	31%	7%	227
Metro West HSR	38%	9%	4%	10%	0%	24%	15%	348
Northeast HSR	28%	10%	2%	13%	1%	29%	18%	405
Southeast HSR	43%	12%	1%	9%	1%	19%	14%	342
Western HSR	24%	26%	2%	16%	1%	22%	10%	364
Prison ¹⁰	10%	36%	1%	10%	0%	29%	13%	78
MA Total	37%	14%	2%	11%	1%	23%	13%	2,571

¹ Reflects the Health Service Region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of Health Service Regions

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ MSM = Male-to-Male Sex

⁴ IDU = Injection Drug Use

⁵ MSM/IDU = Male-to-Male Sex and Injection Drug Use

⁶ HTSX = Heterosexual Sex

⁷ Other includes pediatric and receipt of blood/blood products

⁸ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status

⁹ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

¹⁰ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/08

Table 5. Top 10 Cities/Towns¹ in Massachusetts by proportion of HIV infection diagnoses (HIV DX) with injection drug use or injection drug use and male-to-male sex as primary reported exposure mode: 2004–2006²

Rank	City/Town	Number of HIV DX among IDU ³	Percent of Total HIV DX
1	Holyoke	22	39%
2	Springfield	58	29%
2	New Bedford	16	29%
3	Worcester	30	23%
4	Chicopee	6	22%
4	Framingham	7	22%
5	Revere	5	21%
6	Fall River	5	19%
7	Haverhill	4	18%
7	Lowell	14	18%

¹ Among cities/towns with over 20 reported HIV infection diagnoses in the years 2004-2006. Note: reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ IDU includes primary reported exposure of injection drug use and injection drug use and male-to-male sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	5,773	48%	N/A ¹	N/A ¹
Injection drug use (IDU)	2,906	24%	1,372	28%
MSM/IDU	539	4%	N/A ¹	N/A ¹
Heterosexual sex	687	6%	1,594	33%
Other ²	236	2%	172	4%
Total Undetermined	1,959	16%	1,739	36%
• Presumed heterosexual sex ³	1,253	10%	1,390	29%
• Undetermined ⁴	706	6%	349	7%
Total	12,100	100%	4,877	100%

¹ N/A=Not Applicable

² Other includes pediatric and receipt of blood/blood products

³ Heterosexual sex with partners with unknown risk and HIV status

⁴ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and race/ethnicity, where the mode of exposure is injection drug use (IDU)¹, IDU-Related², or Non IDU-Related/Unknown³: Massachusetts, 2004–2006⁴

	IDU		IDU-Related		Non IDU-Related/Unknown	
Gender:	N	%	N	%	N	%
Male	289	72%	27	31%	1,544	74%
Female	113	28%	60	69%	538	26%
Race/Ethnicity:	N	%	N	%	N	%
White NH ⁵	166	41%	25	29%	832	40%
Black NH	69	17%	17	20%	730	35%
Hispanic	163	41%	45	52%	459	22%
API ⁶	3	1%	0	0%	41	2%
AI/AN ⁷	0	0%	0	0%	3	<1%
Unknown	1	<1%	0	0%	17	1%
Total	402	100%	87	100%	2,082	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a bisexual male, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

⁴ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

⁵ NH=Non-Hispanic

⁶ API=Asian/Pacific Islander

⁷ AI/AN=American Indian/Alaska Native

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 8. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity, where the mode of exposure is IDU¹, IDU-Related², or Non IDU-Related³: Massachusetts

	IDU ¹		IDU-Related ²		Non IDU-Related/Unknown ³	
Gender:	N	%	N	%	N	%
Male	3,445	72%	207	21%	8,448	76%
Female	1,372	28%	781	79%	2,724	24%
Race/Ethnicity:	N	%	N	%	N	%
White NH ⁴	1,906	40%	284	29%	5,454	49%
Black NH	1,113	23%	250	25%	3,382	30%
Hispanic	1,767	37%	442	45%	2,045	18%
API ⁵	12	<1%	4	<1%	200	2%
AI/AN ⁶	9	<1%	4	<1%	10	<1%
Unknown	10	<1%	4	<1%	81	1%
Total	4,817	100%	988	100%	11,172	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a bisexual male, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

⁴ NH=Non-Hispanic

⁵ API=Asian/Pacific Islander

⁶ AI/AN=American Indian/Alaska Native

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 9. People living with HIV/AIDS on December 31, 2007 where the mode of exposure is IDU¹, gender by race/ethnicity: Massachusetts

	White NH ²		Black NH		Hispanic		Other/Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	1,239	36%	797	23%	1,389	40%	20	1%	3,445	100%
Female	667	49%	316	23%	378	28%	11	1%	1,372	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex

² NH=Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 10. People living with HIV/AIDS on December 31, 2007 where the mode of exposure is IDU-Related¹, gender by race/ethnicity: Massachusetts

	White NH ²		Black NH		Hispanic		Other/ Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	68	33%	68	33%	69	33%	2	1%	207	100%
Female	216	28%	182	23%	373	48%	10	1%	781	100%

¹ Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

² NH=Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 11. People diagnosed with HIV infection from 2004–2006¹ where the mode of exposure is IDU², gender by race/ethnicity: Massachusetts

	White NH ³		Black NH		Hispanic		Other/ Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	114	39%	50	17%	123	43%	2	1%	289	100%
Female	52	46%	19	17%	40	35%	2	2%	113	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex

³ NH=Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 12. People diagnosed with HIV infection from 2004–2006¹ by age at HIV diagnosis where the mode of exposure is IDU², IDU-Related³, or Non IDU-Related⁴: Massachusetts

	IDU ²		IDU-Related ³		Non IDU-related/Unknown ⁴	
Years	N	%	N	%	N	%
0 to 12	0	0%	1	1%	15	1%
13 to 19	1	<1%	2	2%	40	2%
20 to 24	18	4%	4	5%	147	7%
25 to 29	31	8%	8	9%	236	11%
30 to 34	50	12%	7	8%	308	15%
35 to 39	67	17%	17	20%	391	19%
40 to 44	101	25%	16	18%	374	18%
45 to 49	75	19%	17	20%	271	13%
50+	59	15%	15	17%	300	14%
Total	402	100%	87	100%	2,082	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

³ Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

⁴ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a bisexual male, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 13. People living with HIV/AIDS on December 31, 2007 by current age where the mode of exposure is IDU¹, IDU-Related², or Non IDU-Related³: Massachusetts

	IDU ¹		IDU-Related ²		Non IDU-related/Unknown ³	
Years	N	%	N	%	N	%
0 to 12	0	0%	2	<1%	69	1%
13 to 19	0	0%	27	3%	162	1%
20 to 24	15	<1%	21	2%	169	2%
25 to 29	56	1%	42	4%	471	4%
30 to 34	153	3%	65	7%	858	8%
35 to 39	494	10%	126	13%	1,567	14%
40 to 44	1,078	22%	201	20%	2,379	21%
45 to 49	1,298	27%	222	22%	2,236	20%
50+	1,723	36%	282	29%	3,261	29%
Total	4,817	100%	988	100%	11,172	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a bisexual male, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 14. Reported AIDS cases by exposure mode and year of diagnosis: Massachusetts, 1985–2006¹

	MSM ²		IDU ³		MSM/ IDU ⁴		HTSX ⁵		Other ⁶		Pres. HTSX ⁷		Undeter- mined ⁸		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
1985	141	63%	32	14%	12	5%	7	3%	12	5%	18	8%	3	1%	225
1990	478	44%	344	32%	45	4%	74	7%	56	5%	55	5%	27	3%	1,079
1995	440	31%	582	41%	63	4%	165	12%	34	2%	69	5%	53	4%	1,406
1997	251	27%	370	40%	36	4%	124	13%	19	2%	81	9%	49	5%	930
1998	253	26%	353	36%	33	3%	125	13%	12	1%	140	14%	52	5%	968
1999	234	25%	373	40%	30	3%	114	12%	4	<1%	154	16%	27	3%	936
2000	178	23%	268	34%	17	2%	136	17%	8	1%	148	19%	34	4%	789
2001	171	24%	212	30%	29	4%	108	15%	13	2%	133	19%	44	6%	710
2002	168	25%	192	28%	25	4%	113	16%	8	1%	128	19%	51	7%	685
2003	139	24%	166	29%	17	3%	85	15%	10	2%	103	18%	62	11%	582
2004	158	25%	156	25%	19	3%	78	13%	8	1%	130	21%	74	12%	623
2005	162	28%	146	25%	19	3%	81	14%	3	1%	116	20%	62	11%	589
2006 ¹	162	33%	79	16%	13	3%	65	13%	4	1%	120	24%	50	10%	493

¹ 2006 data are preliminary² MSM = Male-to-Male Sex³ IDU = Injection Drug Use⁴ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁵ HTSX = Heterosexual Sex⁶ Other includes pediatric and receipt of blood/blood products⁷ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁸ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 15. Deaths among persons reported with HIV/AIDS by exposure mode and year of death: Massachusetts, 1999–2006

	MSM ¹		IDU ²		MSM/ IDU ³		HTSX ⁴		Other ⁵		Pres. HTSX ⁶		Undeter- mined ⁷		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
1999	72	18%	214	54%	18	5%	33	8%	13	3%	30	8%	18	5%	398
2000	76	20%	203	54%	16	4%	25	7%	12	3%	28	7%	16	4%	376
2001	91	21%	219	52%	20	5%	29	7%	6	1%	29	7%	30	7%	424
2002	77	20%	206	54%	17	4%	36	9%	9	2%	25	7%	12	3%	382
2003	74	19%	199	50%	17	4%	49	12%	8	2%	30	8%	22	6%	399
2004	61	18%	168	51%	20	6%	26	8%	8	2%	26	8%	22	7%	331
2005	46	15%	163	54%	13	4%	33	11%	3	1%	24	8%	19	6%	301
2006	60	20%	150	51%	16	5%	26	9%	3	1%	24	8%	17	6%	296

¹ MSM = Male-to-Male Sex² IDU = Injection Drug Use³ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁴ HTSX = Heterosexual Sex⁵ Other includes pediatric and receipt of blood/blood products⁶ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁷ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Table 16. Deaths among persons reported with AIDS by mode of exposure and year of death: Massachusetts, 1985–2006

	MSM ¹		IDU ²		MSM/ IDU ³		HTSX ⁴		Other ⁵		Pres. HTSX ⁶		Unde- ter- mined ⁷		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
1985	73	61%	16	13%	8	7%	0	0%	9	8%	12	10%	2	2%	120
1990	352	56%	156	25%	27	4%	25	4%	28	4%	28	4%	16	3%	632
1995	440	37%	453	38%	41	3%	135	11%	40	3%	30	3%	47	4%	1,186
1997	95	25%	185	48%	20	5%	47	12%	13	3%	6	2%	20	5%	386
1998	83	25%	181	55%	8	2%	29	9%	2	1%	13	4%	16	5%	332
1999	63	18%	187	54%	18	5%	29	8%	13	4%	25	7%	14	4%	349
2000	70	21%	177	53%	16	5%	23	7%	12	4%	24	7%	15	4%	337
2001	83	22%	183	49%	20	5%	26	7%	5	1%	29	8%	24	6%	370
2002	68	21%	168	53%	14	4%	31	10%	9	3%	18	6%	11	3%	319
2003	66	20%	163	49%	14	4%	41	12%	8	2%	24	7%	19	6%	335
2004	47	17%	139	51%	18	7%	23	8%	7	3%	20	7%	21	8%	275
2005	37	15%	135	54%	12	5%	25	10%	1	<1%	21	8%	17	7%	248
2006	57	23%	129	51%	13	5%	21	8%	2	1%	18	7%	13	5%	253

¹ MSM = Male-to-Male Sex² IDU = Injection Drug Use³ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁴ HTSX = Heterosexual Sex⁵ Other includes pediatric and receipt of blood/blood products⁶ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁷ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/08

Technical Notes:

Table 17 includes data reported by students in randomly selected Massachusetts high schools every odd year from 1993 to 2005. This anonymous survey, the Youth Risk Behavior Survey (YRBS), is administered by the Massachusetts Department of Education in collaboration with the Centers for Disease Control and Prevention and focuses on risk behaviors that may compromise the health and/or safety of high school students.

Table 17. Percentage of Massachusetts Youth Risk Behavior Survey (YRBS) respondents reporting lifetime (ever) injection drug use by year and gender: Massachusetts, 1993–2005¹

Year	Males		Females		<u>Total</u> Males + Females	
	%	Total N ²	%	Total N ²	%	Total N ²
1993	3.8%	1,492	1.2%	1,535	2.6%	3,031
1995	4.5%	2,056	1.0%	2,038	2.8%	4,102
1997	2.9%	1,966	1.1%	1,953	2.0%	3,930
1999	3.6%	2,188	1.6%	2,178	2.7%	4,382
2001	2.4%	2,098	0.9%	2,032	1.7%	4,144
2003	2.9%	1,765	1.5%	1,816	2.2%	3,588
2005	1.9%	1,663	0.8%	1,786	1.5%	3,468

¹ A random sample of high schools is selected for participation each year; data presented do not represent cohorts followed over time

² Total N = total number of respondents by sex. The number of respondents for each question varies because not all questions are asked of everyone taking the survey and, even when the question is asked, some survey participants do not provide an answer

Data Source: Massachusetts Department of Education, Youth Risk Behavior Survey, 1993–2005

Technical Notes:

Program utilization data for HIV/AIDS prevention services describe people who utilize these services and who may be at risk for HIV infection. Data from needle exchange programs can be used to describe demographics and HIV risk behavior in a population of injection drug users. Table 18 contains data on clients utilizing state-funded needle exchange programs.

Table 18. Characteristics of clients of state-funded needle exchanges: Massachusetts, fiscal year 2007¹		
Gender:	N	%
Male	2,804	70%
Female	1,107	28%
Transgender	14	<1%
Undetermined ²	77	2%
Age, in Years³:	N	%
18–19	116	3%
20–29	1,662	42%
30–39	990	25%
40–49	808	20%
50+	426	11%
Race/Ethnicity:	N	%
White Non-Hispanic	3,154	79%
Black/African American Non-Hispanic	195	5%
Hispanic	430	11%
Asian Non-Hispanic	21	1%
Native Hawaiian/Pacific Islander Non-Hispanic	8	<1%
American Indian/Alaskan Native Non-Hispanic	20	<1%
Multi-Race	3	<1%
Unidentified Race Non-Hispanic	32	1%
Undetermined ²	139	3%
Sexual Orientation:	N	%
Heterosexual	3,247	81%
Bisexual	181	5%
Gay/lesbian	96	2%
Undetermined ²	478	12%
Needle Sharing Frequency:	N	%
Always	86	2%
Sometimes	1,165	29%
Never	1,629	41%
Undetermined ²	1,122	28%
Age at First Injection:		
Under age 20 years	1,305	33%
Age 20 years and above	2,129	53%
Undetermined ²	568	14%
Total	4,002	100%
¹ July 1, 2006 through June 30, 2007		
² Undetermined includes exchanges among participants who declined to include this information, were not asked this information or for whom the information is otherwise missing		
³ Age is calculated by taking the average across uses of needle exchange throughout the year		
Data Source: MDPH HIV/AIDS Bureau		

Technical Notes:

Tables 19–21 include program utilization data for substance abuse treatment services funded through the Massachusetts Bureau of Substance Abuse Services. Not all people who receive substance abuse treatment receive it at one of these state-funded sites; therefore, these data are not representative of all people treated for substance abuse in Massachusetts. It is important to note that the data presented in this section represent admissions and not individual clients; therefore the data may contain more than one admission for some people.

Table 19. Admissions to state-funded substance abuse treatment programs by needle use in the past year: Massachusetts, state fiscal year¹ 1998–2007

Year	Used Needle		Did Not Use Needle		Total
	N	%	N	%	N
1998	27,293	24%	87,851	76%	115,144
1999	29,437	25%	86,483	75%	115,920
2000	32,880	28%	86,344	72%	119,224
2001	33,133	27%	87,552	73%	120,685
2002	35,599	29%	87,867	71%	123,466
2003	35,168	30%	80,387	70%	115,555
2004	31,466	31%	69,607	69%	101,073
2005	32,418	31%	70,652	69%	103,070
2006	31,116	30%	71,055	70%	102,171
2007	32,624	31%	74,060	69%	106,684

¹ July 1 of previous year – June 30 of the indicated year
Data Source: MDPH Bureau of Substance Abuse Services

Table 20. Admissions to state-funded substance abuse treatment programs by primary substance: Massachusetts, state fiscal year¹ 1998–2007

Year	Alcohol		Cocaine		Crack		Heroin		Other		Total
	N	%	N	%	N	%	N	%	N	%	N
1998	58,898	51%	5,899	5%	5,764	5%	35,315	31%	9,268	8%	115,144
1999	57,421	50%	5,656	5%	5,123	4%	37,352	32%	10,368	9%	115,920
2000	56,824	48%	5,098	4%	4,885	4%	41,336	35%	11,081	9%	119,224
2001	56,066	46%	4,641	4%	4,157	3%	43,370	36%	12,451	10%	120,685
2002	55,450	45%	4,623	4%	4,170	3%	45,586	37%	13,637	11%	123,466
2003	49,273	43%	4,328	4%	4,066	4%	44,055	38%	13,833	12%	115,555
2004	42,544	42%	3,652	4%	3,495	3%	38,479	38%	12,903	13%	101,073
2005	42,562	41%	3,990	4%	4,105	4%	39,169	38%	13,244	13%	103,070
2006	42,030	41%	4,230	4%	4,206	4%	37,604	37%	14,101	14%	102,171
2007	43,697	41%	4,748	4%	4,432	4%	37,989	36%	15,818	15%	106,684

¹ July 1 of previous year – June 30 of the indicated year

Data Source: MDPH Bureau of Substance Abuse Services

Table 21. Characteristics of Admissions to State-funded Substance Abuse Treatment Programs by Needle Use in the Past Year: MA, Fiscal Year 2007¹

	Admissions NOT Reporting Needle Use in the Past Year		Admissions Reporting Needle Use in the Past Year	
By Gender:	N	%	N	%
Male	52,593	71%	22,845	70%
Female	21,466	29%	9,779	30%
By Race/Ethnicity:	N	%	N	%
White, Non-Hispanic (NH)	54,409	73%	25,785	79%
Black, Non-Hispanic	8,425	11%	1,334	4%
Hispanic	8,339	11%	4,543	14%
Asian/Pacific Islander, NH	412	1%	132	<1%
American Indian, NH	232	<1%	60	<1%
Other/Unknown	2,242	3%	770	2%
By Region ² :	N	%	N	%
Western HSR	12,680	17%	3,375	10%
Central HSR	7,972	11%	3,580	11%
Northeast HSR	12,713	17%	6,678	20%
Metrowest HSR	9,709	13%	4,059	12%
Southeast HSR	16,719	23%	6,319	19%
Boston HSR	13,180	18%	8,493	26%
Unknown	1,159	2%	120	<1%
By Education:	N	%	N	%
Less than High School	19,569	26%	9,623	29%
High School graduate	35,995	49%	18,135	56%
More than High School	18,496	25%	4,866	15%
By Other Variables:	N	%	N	%
Employed	22,232	30%	3,114	10%
Not Employed	51,828	70%	29,510	90%
Homeless	11,687	16%	9,694	30%
Not Homeless	62,373	84%	22,930	70%
Pregnant	337	2%	401	4%
Total³	74,060	100%	32,624	100%

¹ July 1 of previous year – June 30 of the indicated year² Region is the Health Service Region (HSR) of the client's primary residence; see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of Health Service Regions³ Not all categories add up to total due to missing data

Data Source: MDPH Bureau of Substance Abuse Services